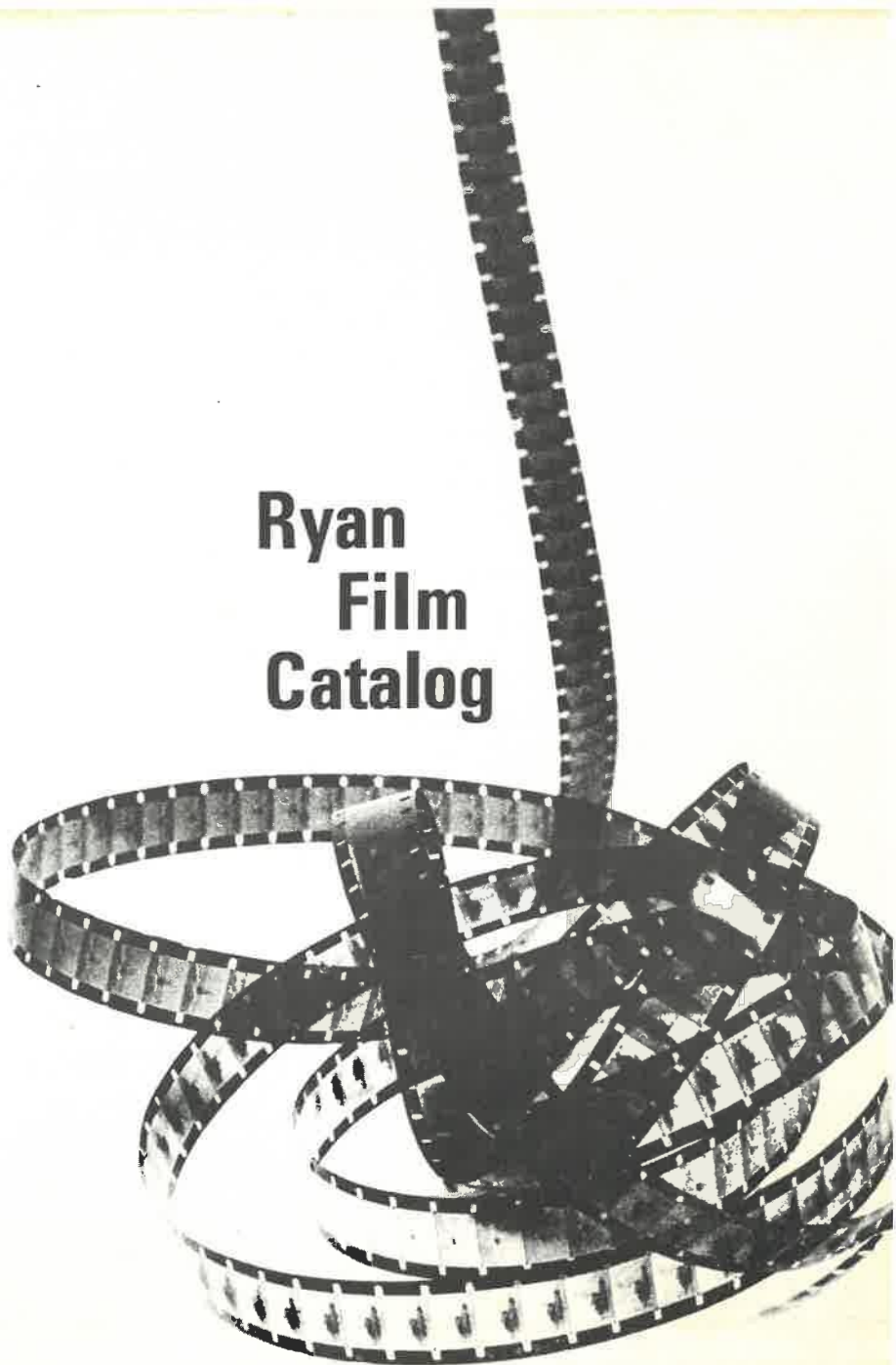


**Ryan
Film
Catalog**



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ORDER FILMS BY TITLE

Ryan Aeronautical Company
Audio Visual Services - Department 326
2701 Harbor Drive, San Diego, Calif. 92112
Phone: (714) 296-6681, Extension 1371

Two Decades of V/STOL



Sound, color, 13 minutes, #14307-3-16

A historical review of Ryan engineered vertical and short-takeoff aircraft including the Model 92, Dragonfly, the X-13 Vertijet, the flexwing "Fleep", the Fireball and the XV-5A. Includes takeoffs, landings and flight with maneuvers and pertinent information concerning each aircraft. You'll chuckle at the opening.

Film on YouTube:

<https://www.youtube.com/watch?v=dLkkZhhoEtg>

CARA/AFA '67



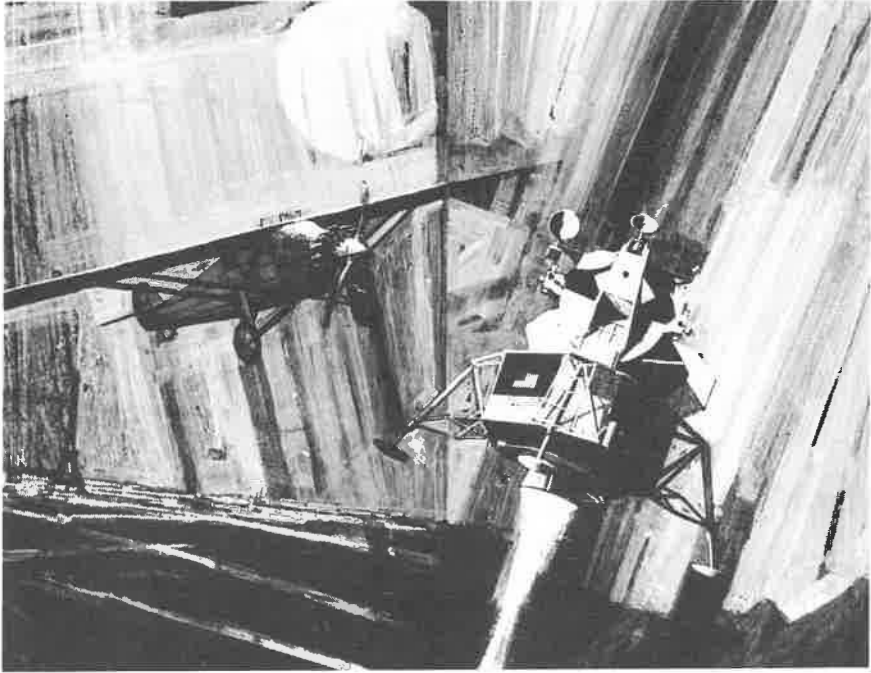
Sound, color, 10 minutes, #23007-1-8

Vietnam - A briefing, a situation. Pilots suit up and man their aircraft for another mission. Another strike to the heart of the enemy. Action galore. One aircraft is hit, pilot ejects. Bill Anderson, Ryan test pilot, relates how the XV-5A Vertifan could be utilized as a Combat Aircrew Rescue Aircraft. Some art work incorporated into film.

Film on YouTube:

<https://www.youtube.com/watch?v=zjRlytBMK7M>

From Lindbergh to the Moon



Sound, color, 16-1/2 minutes, Kinescope from original TV show

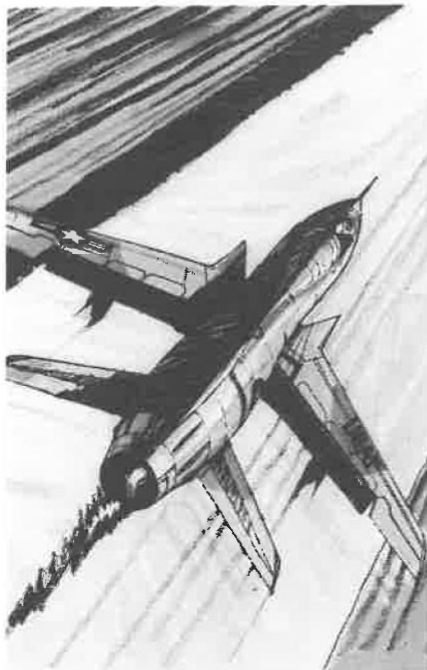
Subtitle: "40 Years of Aerospace Progress"

Skillful use of historical footage and still photos of Lindbergh's flight in Ryan built "Spirit of St. Louis" and the evaluation of Ryan capabilities into the Aerospace industry. Includes the Ryan built landing radar used on the Surveyor and Apollo programs. Good use of animation to depict these programs.

Film on YouTube:

<https://www.youtube.com/watch?v=jZA7PEA4NSU>

Nap of the Earth



Sound, color, 20 minutes, #12007-2-2

Ryan navigational equipment utilizing the Doppler system as used in fixed wing and rotary wing aircraft. Utilization of the AN/APN-129 (V), APN-130 and the Ryanav IV in computation of ground speed, direction, drift and location and IFR navigation. Some animation. Technical.

Film on YouTube:

<https://www.youtube.com/watch?v=Eswd64bYIDg>

The Essential Element



Sound, color, 10 minutes, #12407-7-5

The U.S. Army use of the Firebee I with banner tow against training and evaluation of the Vulcan, 40-mm guns and quad 50 machine guns. The Towbee, with a Luneberg lens, offers an expendable target for the Hawk while the Hayes IR Towbee is pitted against the Redeye and Chaparral. Lots of action and fast moving events at Ft. Bliss and Pina Beach, Panama.

Film on YouTube:

<https://www.youtube.com/watch?v=4jobvaBNb0g>

XV-5A CARA Proposal



Sound, color, 14 minutes, #22207-1-6

Demonstrated capabilities of high speed, steep departure and approach, adaptability to land and depart from unprepared sites, maneuverability within a closed course and hovering stability of the XV-5A. An instrumented dummy is hoisted to and lowered from the Vertifan craft showing the feasibility of the XV-5A for a Combat Aircrew Rescue Aircraft.

Film on YouTube:

<https://www.youtube.com/watch?v=2TOOGv2p56s>

XV-5A Vertifan Air Rescue



Sound, color, 23 minutes, #14307-6-7

Demonstration of conventional takeoff and landings as well as steep departure and approach of XV-5A. Air-to-air closeup of conversion from fan mode to conventional jet flight. Maneuverability of the Vertifan within a closed course flight is demonstrated and landing and departure from unprepared sites. Hoisting of an instrumented dummy shows the feasibility of the XV-5A as a rescue vehicle. Closeup of vectoring louvers and animations shows basic fundamentals of the vertifan system.

Film on YouTube:

https://www.youtube.com/watch?v=_NrsknJlliM

VERTICAL DIMENSION



Sound, color, 10 minutes, Ans print only

The boredom, impatience, waiting and congestion at a modern present-day air terminal is dramatized. A smoother flow of travelers and aircraft is foreseen by Ryan engineers by the utilization of vertical-takeoff-and-landing aircraft for commercial use. Byproduct of such utilization is the conservation of rapidly diminishing land area. New concept is illustrated by artwork. Good ideas. This film to be used only with the approval of the Director of Advanced Systems - Aerospace.

Ryan Moves Up



Sound, color, 10 minutes, #60007-1-4

Ryan's Electronics products are brought to light with illustration of Ryan's Scatterometer, Microwave Radiometer, Doppler Navigation System (AN/APN-193), Sink Rate Radar (AN/APQ-135), and AN/APN-182 & 192 Radar Altimeter. The demonstration of the Rollout Solar Panel and its application to the modern Aerospace complexities and the Lunar Module Landing Radar are also featured. Credits for film footage include: NASA, U.S. Navy, Lockheed and Sikorsky.

Film on YouTube:

<https://youtu.be/FO4c7klaZTE>

Operation Jet Target



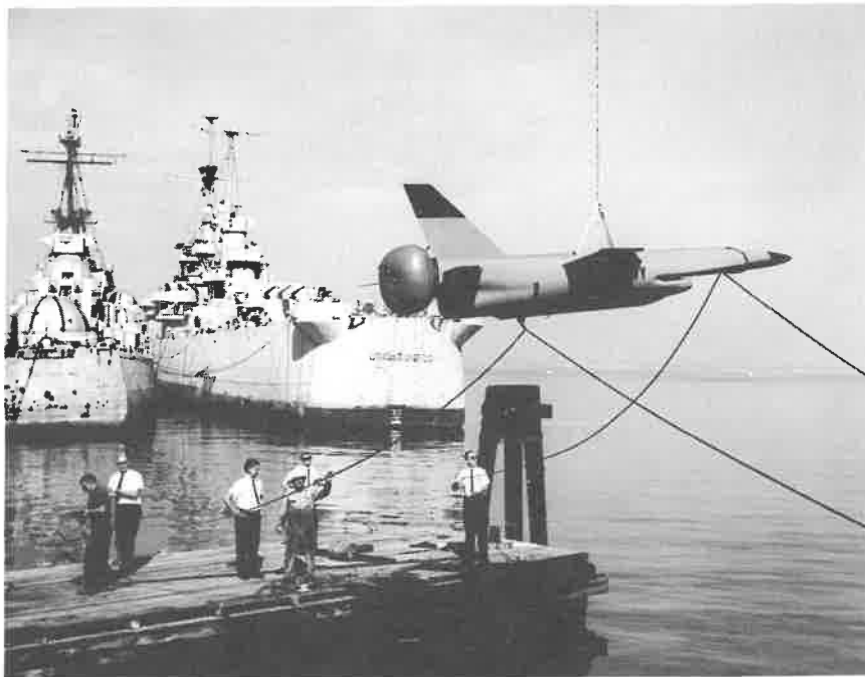
Sound, color, 10-1/2 minutes, #12407-3-69

Sail with the U.S. Navy on the Guided Missile Cruiser USS St. Paul during fleet training exercises and witness the firing of Talos and Terrier missiles against the BQM-34A (Firebee I). A Navy fighter scores an intercept with a Sidewinder on the elusive Firebee. Good film - a bit old (1964).

Film on YouTube:

<https://youtu.be/r679GqdG5VY>

Firebee II Briefing Film



Sound, color, 6-1/2 minutes, #16607-1-3

Development and initial testing of the Supersonic Firebee II for the Navy. The BQM-34E or Model 166 (Ryan) undergoes the water drop test, flotation test, captive flight test and air drop test. Has some manufacturing, fabrication and painting. First film of this model.

Film on YouTube:

<https://youtu.be/juh-yRzzr0M>

Dr. Flax Briefing Film



Silent, color, 13 minutes

Has all the "goodie" scenes of the drone program including launch from a C-130, Towbee deployment, IR pots and banner tow. Includes Redeye launch and aircraft firing and drone intercept. Latter portion shows the XV-5A SAR demonstration with instrumented dummy. Opening has "oldie" shot of XQ-2 rail launch from ground and from air.

Q-2C High Altitude Firebee



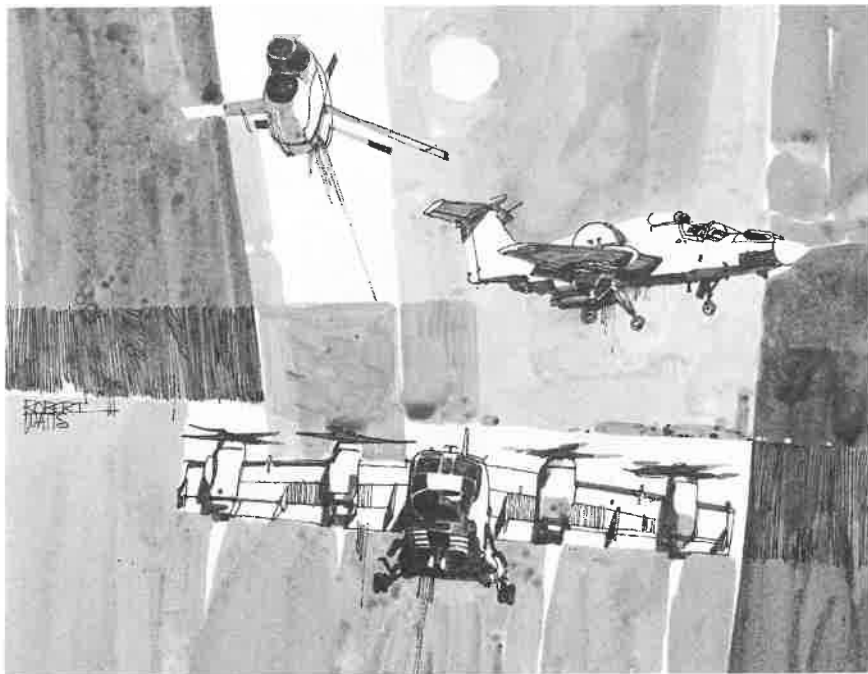
Sound, color, 10 minutes, #12407-1-52

High altitude flight and capabilities of high altitude operation. Some Tyndall footage - aircraft takeoff, flight - air-to-air, missile launches and intercept. An old production.

Film on YouTube:

<https://youtu.be/ZU3jNeqK2J8>

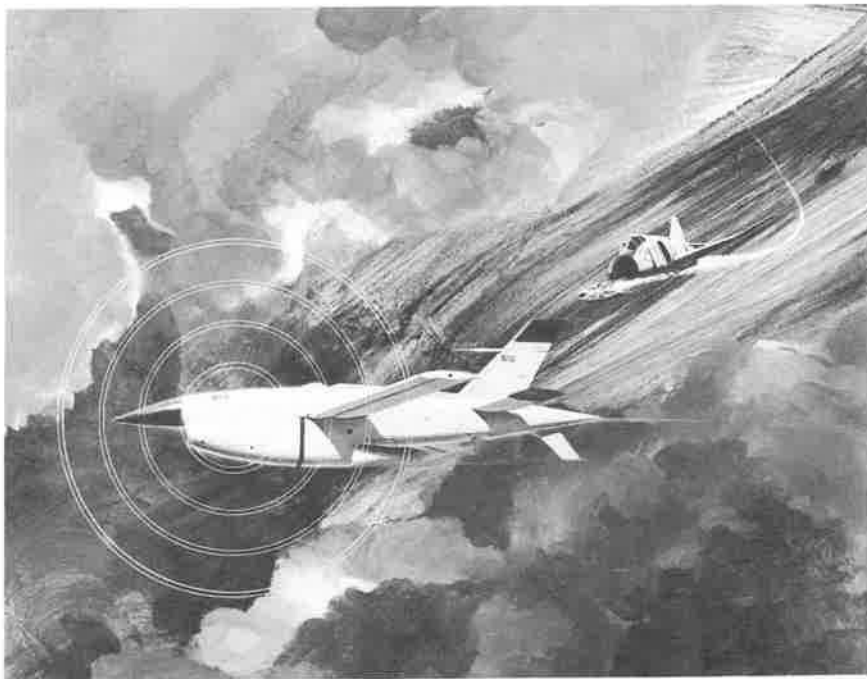
Flax-Q-2C, XC-142A and XV-5A



Silent, color, 8 minutes

Q2 launch from C-130 and DP2E as well as mobile launcher and onboard camera. Firebee deploys Towbee - missiles are launched. Recovery after flight and retrieval by boat, truck, helicopter and MARS is shown. The XC-142A tilts wings, takes off vertically - then tilts wings to continue on conventional flight and returns to make a conventional landing. The XV-5A demonstrates its vertical takeoff capability and conversion from fan to jet mode. SAR capability is also demonstrated.

Firebee/AFA '67



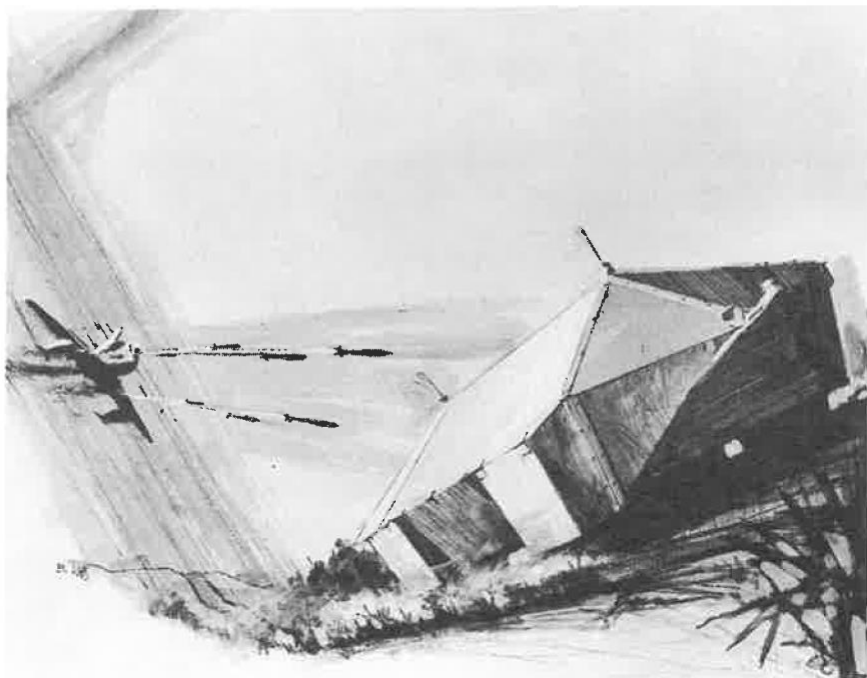
Sound, color, 10 minutes, #12407-5-3

Subtitle: "Marbles to Missiles"

Interesting lead-in to target systems. First portion is complete capability of the Firebee I including: ground and air launches, RALACS, IMK, formation flights, recovery, boat-truck & helo retrieval and refurbishment. After outlining support to operations Combat Pike, Sage and Echo we phase into the Model 166 rollout and water drop and flotation tests. Relates comparison between Firebee I & II and gives performance statistics of the Supersonic Firebee.

15

Firebeetle



Silent, color, 8 minutes, #2

A remote controlled land vehicle with large sand tires takes evasive action from attacking aircraft. This drone, sporting an automatic transmission, enables the controller to see where he is going by means of a closed circuit television camera mounted in the front of the vehicle. Interesting and different.

Value of Experience



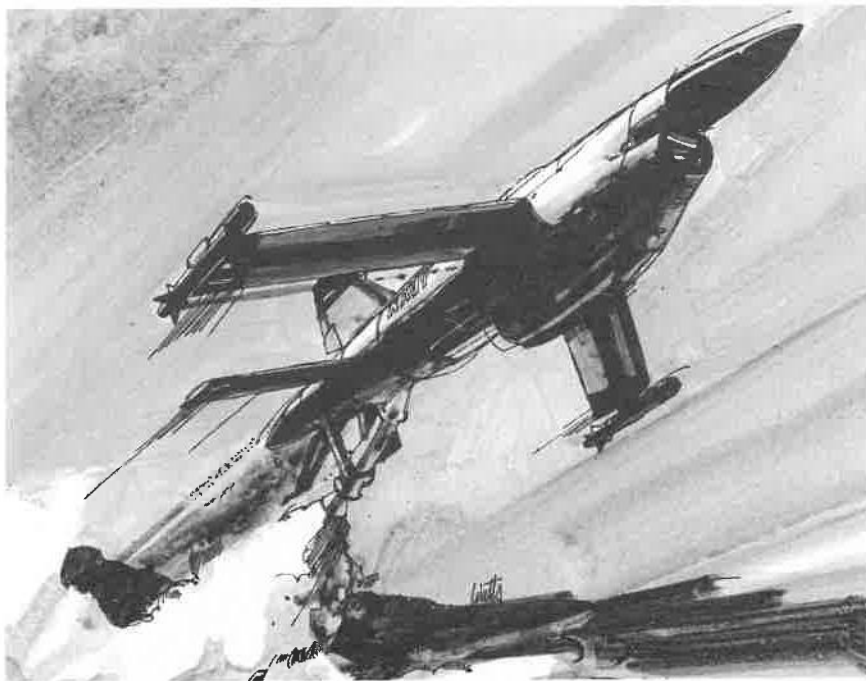
Sound, color, 8 minutes, #VER-6

Frank G. Jameson, President, Ryan Aeronautical Company, relates the value of "on the job training" and experience gained by serving in the Armed Forces and the application of this experience for the betterment of the individual and his employer. You meet some of the many veterans employed by Ryan and see them at their jobs. Produced for the Navy League as a re-enlistment incentive. Army version also available.

Film on YouTube:

<https://youtu.be/5os0MtyqgxE>

Firebee Briefing



Silent, color, 5-1/2 minutes, (short version)

Fast moving clips of Firebee capabilities includes launch, CB flight, Towbee, 250 lb. bomb drop, bomblet dispersion, recovery and MARS. Ideal for a "Quickie" briefing.

Film on YouTube:

<https://youtu.be/juh-yRzr0M>

Firebee Mountain Crash



Silent, color

Stock footage of a Firebee flight with chase aircraft. Loss of control causes the drone to crash into the side of a mountain. Chase aircraft pulls out.

MARS—*MidAir Retrieval System*



Sound, color, 10 minutes, #14707-1-12

To minimize damage to drones that may land in woods, marshy areas or the open sea, Ryan engineers develop a mid-air retrieval system utilizing the CH-37 helicopter. The operation of the winch and chutes and the function of each is outlined. Scenes show the various problems encountered, and the solution of these problems is related as the system becomes a smooth operation.

XV-5A/AFA Briefing Film



Silent, color, 11 minutes, #22004-1-1

All functions and capabilities of the XV-5A are demonstrated. Conventional takeoff, high speed run, closed course maneuvering, air taxi, conversions to and from fan mode, steep approach and SAR capabilities. Good "meaty" footage.

Film on YouTube:

<https://youtu.be/8RqeWmGwLZ0>

William Tell '65



Silent, color, 5 minutes, #12403-1-3

Lively action of Air Force personnel loading aircraft, takeoffs, attack and intercept of the Firebee. Behind the scenes effort of Ryan personnel checking out drones and refurbishment. Ryan drone controllers in action. William Tell was an annual Air Force gunnery meet.

Firebee/AFA '68



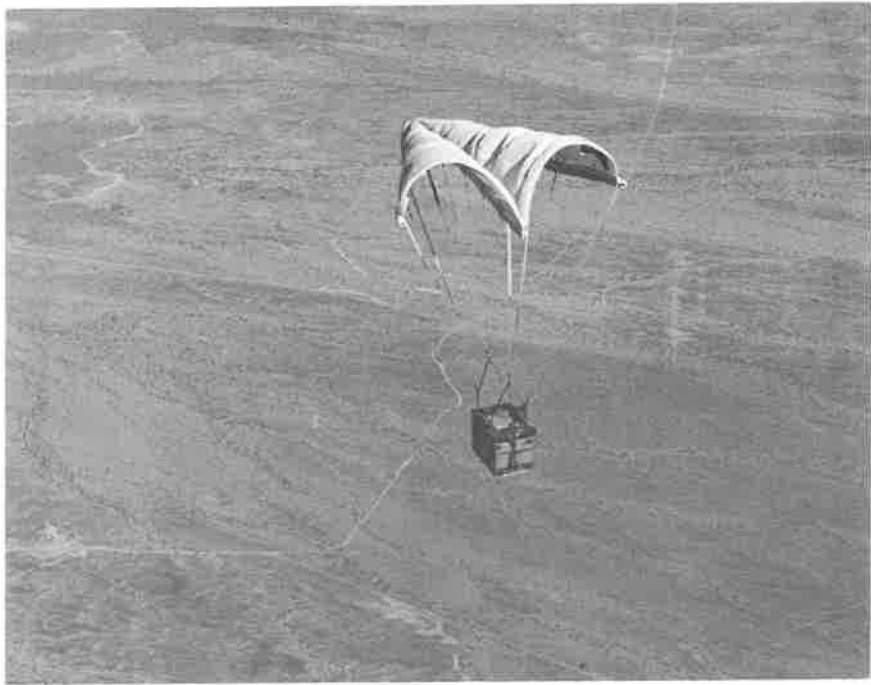
Sound, color, 10 minutes, #12407-6-3

Fast moving epic of the Air Force's utilization of the Ryan Firebee. Covers all phases of Firebee I operations - launch, flight, formation flight, recovery, and refurbishment as well as air action by the Air Force. Second part covers Firebee II flight test operations with good flight footage and recovery sequences. Has an interesting film summation.

Outtakes on YouTube:

<https://youtu.be/fmZbWT6gOP8>

Precision Drop Glider



Sound, color, 10 minutes, #0722

This "kitelike" flexwing vehicle is used by the military for direct supply or resupply to remote or inaccessible areas. Simplicity of components and ready availability render this system a valuable logistics tool. Characteristics are outlined and a dual launch verifies the accuracy of the system's homing device.

Film on YouTube:

<https://youtu.be/t8lvyV8hfEc>

Model 608 Programmer



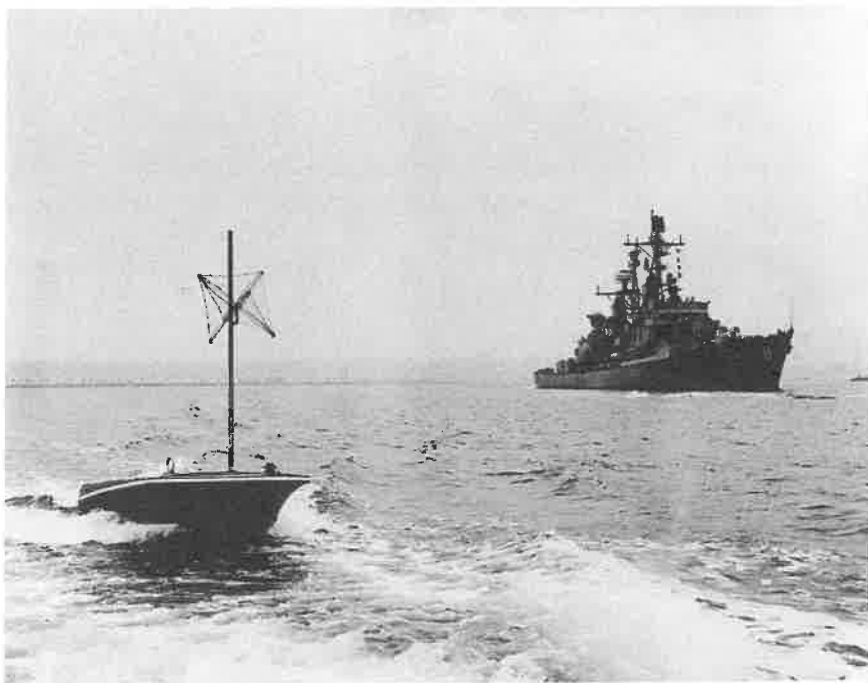
Silent, color, 3-1/2 minutes

This digital flight programmer is used in both the Firebee I & II. Compares the old method of hand wiring versus the expeditious push button system.

Film on YouTube:

<https://youtu.be/U5c01vwYbp4>

Firefish



Sound, color, 6 minutes, #18597-1-38

A drone target boat developed for the U.S. Navy shows its capabilities and then goes operational for gunnery practice. The Navy unleashes its firepower on the bouncy target and scores a hit. Remote components are pointed out in a closeup presentation.

Film on YouTube:

<https://youtu.be/PLthTDfJOBc>

Firebee-Navy League 1969



Sound, color, 8-1/2 minutes #12407-8-4

With the First Fleet off the California coast, the cameras capture the ardent training exercises conducted from carriers, cruisers and guided missile frigates. A Firebee target drone is launched and the fleet responds. A Terrier missile from the frigate and a Sea Sparrow from a carrier. Naval action in its fullest. Firebee II also plays its part. Produced for the Seapower Symposium, Washington, D. C., 1969.

Film on YouTube:

<https://youtu.be/p86ZyvXw7Jw>

Firebee versus Redeye, Hawk and Vulcan



Silent, color, 5 minutes

Three films in one. Prime footage of each weapon during training of Army personnel with the Ryan Firebee playing a major role. Good fast briefing aid.

Film on YouTube:

<https://youtu.be/Fj05IQ7NWM>

Ryan Aircraft Montage



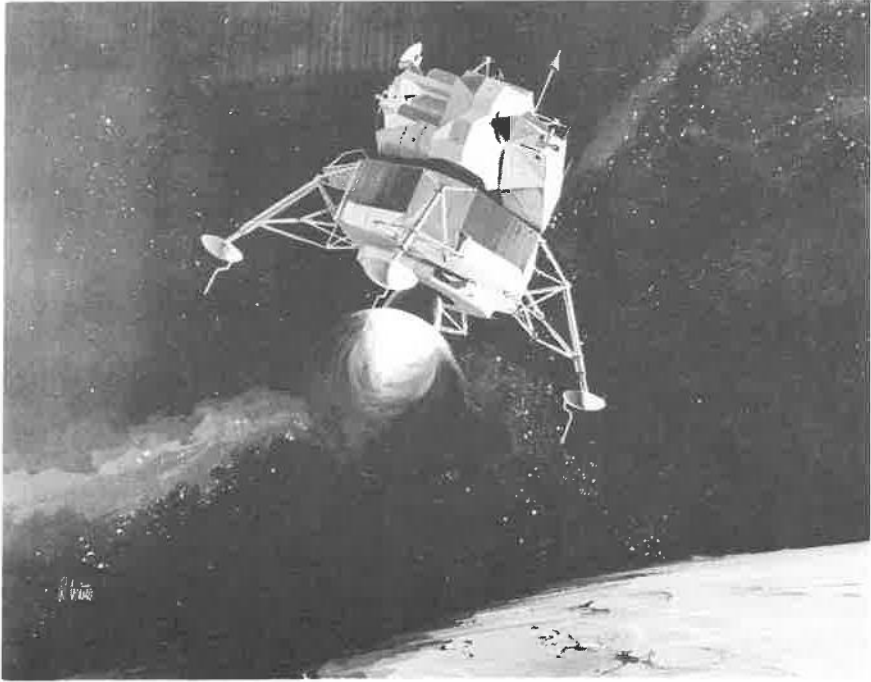
Silent, color, 5-1/2 minutes

A parade of Ryan aircraft starting with the M-2 and continuing through the XV-5A. Some models are used for earlier craft with live footage when available. Brings back memories for oldtimers.

Film on YouTube:

https://www.youtube.com/watch?v=eA5hiUXY2_Q

Lunar Landing Radars



Silent, color, 7-1/2 minutes

Clean room scenes of the landing radar manufacturing area including the Surveyor and Apollo programs. Test drop of Lunar Landing Research Vehicle in a desert area showing the employment of retro-rockets for a soft landing. Closeups of motherboard and the IM Antenna Assembly.

Outtakes from Film on YouTube:

<https://youtu.be/f0PWcVdpvJs>

